Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

EMB

"SECOND AND FINAL BILL"

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 04-05-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.						
	2nd And Final Bill						
	Attur Layout						
	3rd Cross Rd From Main Rd						
	Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50)/2	0.25	7.25	
	Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.20)/2	0.25	20.06	
	Ch:75.00m to 90.00m	1	15.00	(5.20 + 5.30)/2	0.25	19.69	
	Ch:90.00m to 105.00m	1	15.00	(5.25 + 6.10)/2	0.20	17.03	
	Ch:105.00m to 120.00m	1	15.00	(6.10 + 4.80)/2	0.20	16.35	
	Ch:120.00m to 135.00m	1	15.00	(5.05 + 5.50)/2	0.20	15.83	
	Ch:135.00m to 150.00m	1	15.00	(5.50 + 5.00)/2	0.25	19.69	
	Ch:150.00m to 165.00m	1	15.00	(5.00 + 6.00)/2	0.25	20.63	
	Ch:165.00m to 180.00m	1	15.00	(6.00 + 5.40)/2	0.25	21.38	
	Ch:180.00m to 195.00m	1	15.00	(5.40 + 5.30)/2	0.25	20.06	
	Ch:195.00m to 210.00m	1	15.00	(5.30 + 6.00)/2	0.25	21.19	
	Ch:210.00m to 225.00m	1	15.00	(6.00 + 6.00)/2	0.25	22.50	
	Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.20)/2	0.25	22.88	
	Ch:240.00m to 255.00m	1	15.00	(6.20 + 6.40)/2	0.25	23.63	
	Ch:255.00m to 270.00m	1	15.00	(6.40 + 6.40)/2	0.20	19.20	
	Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.50)/2	0.20	19.35	

Sunsheight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:285.00m to 287.10m	1	2.10	(6.50 + 6.50) / 2	0.30	4.10	
					Present Qty	310.78	Cum
					Qty Paid in 1st And Part Bill	2206.30	Cum
					Total Qty	2517.09	Cum
					Deduct Qty Paid in 1st And Part Bill	2206.30	Cum
					Present Qty In 2nd Bill	310.78	Cum
					Upto 125%	1665.75	Cum
					Above 125%	851.34	Cum

Insight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

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ಐ.ಐ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 11.05-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications						
	2nd And Final Bill						
	Attur Layout						
	3rd Cross Rd From Main Rd						
	Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50)/2	0.15	4.35	
	Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.20)/2	0.15	12.04	
	Ch:75.00m to 90.00m	1	15.00	(5.20 + 5.30)/2	0.15	11.81	
	Ch:90.00m to 105.00m	1	15.00	(5.25 + 6.10)/2	0.15	12.77	
	Ch:105.00m to 120.00m	1	15.00	(6.10 + 4.80)/2	0.10	8.18	
	Ch:120.00m to 135.00m	1	15.00	(5.05 + 5.50)/2	0.10	7.91	
	Ch:135.00m to 150.00m	1	15.00	(5.50 + 5.00)/2	0.12	9.45	
	Ch:150.00m to 165.00m	1	15.00	(5.00 + 6.00)/2	0.11	8.66	
	Ch:165.00m to 180.00m	1	15.00	(6.00 + 5.40)/2	0.15	12.83	
	Ch:180.00m to 195.00m	1	15.00	(5.40 + 5.30)/2	0.15	12.04	
	Ch:195.00m to 210.00m	1	15.00	(5.30 + 6.00)/2	0.15	12.71	
	Ch:210.00m to 225.00m	1	15.00	(6.00 + 6.00)/2	0.15	13.50	
	Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.20)/2	0.15	13.73	
	Ch:240.00m to 255.00m	1	15.00	(6.20 + 6.40)/2	0.15	14.18	
	Ch:255.00m to 270.00m	1	15.00	(6.40 + 6.40)/2	0.15	14.40	

Insight Consultants Pvt Ltd Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.50) / 2	0.15	14.51	
	Ch:285.00m to 287.10m	1	2.10	(6.50 + 6.50) / 2	0.15	2.05	
					Present Qty	**185.10**	**Cum**
					Qty Paid in 1st And Part Bill	**1094.05**	**Cum**
					Total Qty	**1279.16**	**Cum**
					Deduct Qty Paid in 1st And Part Bill	**1094.05**	**Cum**
					Present Qty In 2nd Bill	**185.10**	**Cum**

Sheight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 27.05.2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.						
	2nd And Final Bill						
	Attur Layout						
	3rd Cross Rd From Main Rd						
	Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50)/2	0.225	6.53	
	Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.20)/2	0.225	18.06	
	Ch:75.00m to 90.00m	1	15.00	(5.20 + 5.30)/2	0.225	17.72	
	Ch:90.00m to 105.00m	1	15.00	(5.25 + 6.10)/2	0.225	19.15	
	Ch:105.00m to 120.00m	1	15.00	(6.10 + 4.80)/2	0.225	18.39	
	Ch:120.00m to 135.00m	1	15.00	(5.05 + 5.50)/2	0.205	16.22	
	Ch:135.00m to 150.00m	1	15.00	(5.50 + 5.00)/2	0.200	15.75	
	Ch:150.00m to 165.00m	1	15.00	(5.00 + 6.00)/2	0.200	16.50	
	Ch:165.00m to 180.00m	1	15.00	(6.00 + 5.40)/2	0.200	17.10	
	Ch:180.00m to 195.00m	1	15.00	(5.40 + 5.30)/2	0.200	16.05	
	Ch:195.00m to 210.00m	1	15.00	(5.30 + 6.00)/2	0.200	16.95	
	Ch:210.00m to 225.00m	1	15.00	(6.00 + 6.00)/2	0.200	18.00	
	Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.20)/2	0.200	18.30	
	Ch:240.00m to 255.00m	1	15.00	(6.20 + 6.40)/2	0.200	18.90	
	Ch:255.00m to 270.00m	1	15.00	(6.40 + 6.40)/2	0.200	19.20	

Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.50) / 2	0.225	21.77	
	Ch:285.00m to 287.10m	1	2.10	(6.50 + 6.50) / 2	0.225	3.07	
					Present Qty	**277.66**	**Cum**
					Qty Paid in 1st And Part Bill	**1641.08**	**Cum**
					Total Qty	**1918.74**	**Cum**
					Deduct Qty Paid in 1st And Part Bill	**1641.08**	**Cum**
					Present Qty In 2nd Bill	**277.66**	**Cum**

Sunsheight Consultants Pvt Ltd Bangalore Consultants

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 20.06.2022 - 22.06.2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.						
	2nd And Final Bill						
	Attur Layout						
	3rd Cross Rd From Main Rd						
	Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50)/2		29.00	
	Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.20)/2		80.25	
	Ch:75.00m to 90.00m	1	15.00	(5.20 + 5.30)/2		78.75	
	Ch:90.00m to 105.00m	1	15.00	(5.25 + 6.10)/2		85.13	
	Ch:105.00m to 120.00m	1	15.00	(6.10 + 4.80)/2		81.75	
	Ch:135.00m to 150.00m	1	15.00	(5.05 + 5.50)/2		79.13	
	Ch:150.00m to 165.00m	1	15.00	(5.50 + 5.00)/2		78.75	
	Ch:165.00m to 180.00m	1	15.00	(5.00 + 6.00)/2		82.50	
	Ch:180.00m to 195.00m	1	15.00	(6.00 + 5.40)/2		85.50	
	Ch:195.00m to 210.00m	1	15.00	(5.40 + 5.30)/2		80.25	
	Ch:210.00m to 225.00m	1	15.00	(5.30 + 6.00)/2		84.75	
	Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.00)/2		90.00	
	Ch:240.00m to 255.00m	1	15.00	(6.00 + 6.20)/2		91.50	
	Ch:255.00m to 270.00m	1	15.00	(6.20 + 6.40)/2		94.50	
	Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.40)/2		96.00	
	Ch:285.00m to 287.10m	1	2.10	(6.40 + 6.50)/2		13.55	

Freesheight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

em o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
					Present Qty	**1231.30**	**Sqm**
					Qty Paid in 1st And Part Bill	**7293.69**	**Sqm**
					Total Qty	**8524.99**	**Sqm**
					Deduct Qty Paid in 1st And Part Bill	**7293.69**	**Sqm**
					Present Qty In 2nd Bill	**1231.30**	**Sqm**

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Lineright Consultants Pvt. Ltd. Bangalore Consultant

Asst Engineer

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Asst. Exec. Engineer

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 01-07-2022 – 04.07.2024

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.						
	2nd And Final Bill						
	Asphalt Road						
	Madeshwara Layout						
	Main Rd						
	Ch:0.00m to 30.00m	1	30.00	(5.50 + 5.00)/2		157.50	
	Ch:30.00m to 43.95m	1	13.95	(5.00 + 4.80)/2		68.36	
	Culvert Gap						
	Ch:43.95m to 73.95m	1	30.00	(5.10 + 5.30)/2		156.00	
	Ch:73.95m to 103.95m	1	30.00	(5.30 + 5.30)/2		159.00	
	Ch:103.95m to 133.95m	1	30.00	(5.30 + 5.40)/2		160.50	
	Ch:133.95m to 151.65m	1	17.70	(5.40 + 5.50)/2		96.47	
	Chikbettahalli						
	Main Rd						
	Ch:0.00m to 30.00m	1	30.00	(6.60 + 6.40)/2		195.00	
	Ch:30.00m to 60.00m	1	30.00	(6.40 + 6.60)/2		195.00	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.90)/2		202.50	
	Ch:90.00m to 120.00m	1	30.00	(6.90 + 6.20)/2		196.50	
	Ch:120.00m to 150.00m	1	30.00	(6.20 + 5.90)/2		181.50	
	Ch:150.00m to 180.00m	1	30.00	(5.90 + 5.90)/2		177.00	
	Ch:180.00m to 190.10m	1	10.10	(5.90 + 5.90)/2		59.59	
	Ch:180.00m to 198.30m	1	8.20	(6.80 + 6.80)/2		55.76	

Contractor

Sheelight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
	Basavalingappanagara								
	Main Rd Dead End								
	Ch:0.00m to 7.60m	1	7.60	6.65	+	8.70		58.33	
				2					
	Ch:7.60m to 21.60m	1	14.00	8.60	+	9.00		123.20	
				2					
	Ch:21.60m to 36.20m	1	14.60	8.00	+	8.90		123.37	
				2					

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:36.20m to 45.20m	1	9.00	(9.60 + 9.80)/2		87.30	
Ch:45.20m to 53.50m	1	8.30	(8.80 + 8.60)/2		72.21	
Ch:53.50m to 63.00m	1	9.50	(9.80 + 10.30)/2		95.48	
Upto Turning						
Area Of Trapezium 1/2(A+B)*h A=7.8, B=10.4,h=7.5,10.3	1	1/2(7.8+10.4)*9			81.90	
Ch:63.00m to 93.00m	1	30.00	(10.40 + 10.30)/2		310.50	
Ch:93.00m to 95.50m	1	2.50	(10.30 + 10.30)/2		25.75	
Ch:95.50m to 118.40m	1	22.90	(10.20 + 8.70)/2		216.41	
Upto Culvert						
Ch:118.40m to 129.30m	1	10.90	(11.00 + 12.00)/2		125.35	
Ch:129.30m to 159.00	1	30.00	(10.50 + 13.50)/2		360.00	
Ch:159.00m to 189.30m	1	30.00	(13.50 + 13.20)/2		400.50	
Ch:189.30m to 215.10m	1	25.80	(13.20 + 12.80)/2		335.40	
Rajeev Gandhi Nagara						
Cross Rd-6						
Area Of Trapezium 1/2(A+B)*h A=8.7, B=7.1,h=2.5,6.2	1	1/2(8.7+7.1)*5			39.50	
Ch:0.00m to 16.40m		16.40	(7.10 + 7.30)/2		118.08	
Ch:16.40m to 31.40m		15.00	(7.30 + 7.00)/2		107.25	
Ch:31.40m to 44.50m	1	13.10	(7.00 + 6.40)/2		87.77	
Ch:44.50m to 74.50m	1	30.00	(7.10 + 6.40)/2		202.50	
Ch:74.50m to 89.50m	1	15.00	(6.40 + 6.00)/2		93.00	
Ch:89.50m to 104.50m	1	15.00	(6.00 + 4.80)/2		81.00	
Ch:104.50m to 120.10m	1	15.60	(4.80 + 4.20)/2		70.20	
Deduct	-1	2.60	(0.70 + 0.70)/2		-1.82	

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Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:0.00m to 15.00m	1	15.00	(4.60 + 4.85) / 2		70.88	
Ch:15.00m to 30.00m	1	15.00	(4.85 + 3.90) / 2		65.63	
Ch:30.00m to 35.80m	1	5.80	(3.90 + 3.90) / 2		22.62	
Attur Layout						
3rd Cross Rd From Main Rd						
Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50) / 2		29.00	
Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.30) / 2		81.00	
Ch:75.00m to 90.00m	1	15.00	(5.30 + 5.40) / 2		80.25	
Ch:90.00m to 105.00m	1	15.00	(5.40 + 6.10) / 2		86.25	
Ch:105.00m to 120.00m	1	15.00	(6.10 + 5.00) / 2		83.25	
Ch:120.00m to 135.00m	1	15.00	(5.10 + 5.20) / 2		77.25	
Ch:135.00m to 150.00m	1	15.00	(5.20 + 5.50) / 2		80.25	
Ch:150.00m to 165.00m	1	15.00	(5.50 + 5.10) / 2		79.50	
Ch:165.00m to 180.00m	1	15.00	(5.10 + 6.00) / 2		83.25	
Ch:180.00m to 195.00m	1	15.00	(6.00 + 5.50) / 2		86.25	
Ch:195.00m to 210.00m	1	15.00	(5.50 + 5.40) / 2		81.75	
Ch:210.00m to 225.00m	1	15.00	(5.40 + 6.00) / 2		85.50	
Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.00) / 2		90.00	
Ch:240.00m to 255.00m	1	15.00	(6.00 + 6.20) / 2		91.50	
Ch:255.00m to 270.00m	1	15.00	(6.20 + 6.40) / 2		94.50	
Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.40) / 2		96.00	
Ch:285.00m to 287.10m	1	2.10	(6.40 + 6.50) / 2		13.55	
				Present Qty	**8425.92**	**Sqm**

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Sunsheight Consultants Pvt Ltd
Bangalore
Consultant

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

asurement Recorded On: 20.06.2022 - 22.06.2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen						
	2nd And Final Bill						
	Asphalt Road						
	Madeshwara Layout						
	Main Rd						
	Ch:0.00m to 30.00m	1	30.00	(5.50 + 5.00)/2	0.05	7.88	
	Ch:30.00m to 43.95m	1	13.95	(5.00 + 4.80)/2	0.05	3.42	
	Culvert Gap						
	Ch:43.95m to 73.95m	1	30.00	(5.10 + 5.30)/2	0.05	7.80	
	Ch:73.95m to 103.95m	1	30.00	(5.30 + 5.30)/2	0.05	7.95	
	Ch:103.95m to 133.95m	1	30.00	(5.30 + 5.40)/2	0.05	8.03	
	Ch:133.95m to 151.65m	1	17.70	(5.40 + 5.50)/2	0.05	4.82	
	Chikbettahalli						
	Main Rd						
	Ch:0.00m to 30.00m	1	30.00	(6.60 + 6.40)/2	0.05	9.75	
	Ch:30.00m to 60.00m	1	30.00	(6.40 + 6.60)/2	0.05	9.75	
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.90)/2	0.05	10.13	
	Ch:90.00m to 120.00m	1	30.00	(6.90 + 6.20)/2	0.05	9.83	
	Ch:120.00m to 150.00m	1	30.00	(6.20 + 5.90)/2	0.05	9.08	
	Ch:150.00m to 180.00m	1	30.00	(5.90 + 5.90)/2	0.05	8.85	
	Ch:180.00m to 190.10m	1	10.10	(5.90 + 5.90)/2	0.05	2.98	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ ಸಂಖ್ಯೆ-3
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Freight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

em No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
	Ch:270.00m to 285.00m	1	15.00	6.40	+	6.40	0.05	4.80	
				2					
	Ch:285.00m to 287.10m	1	2.10	6.40	+	6.50	0.05	0.68	
				2					
							Present Qty	421.30	Cum

Checked
Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106.

Sunsheight Consultants Pvt Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

ame of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

MEASUREMENT SHEETS

"SECOND AND FINAL BILL"

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
16	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.								
	Vide Premeasurement page no.					310.78			
					Present Qty	310.78	Cum	67.11	20856.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications								
	Vide Premeasurement page no.					185.10			
					Present Qty	185.10	Cum	2093.67	387546.00
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Vide Premeasurement page no.					277.66			
					Present Qty	277.66	Cum	2100.34	583177.00
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								
	Vide Premeasurement page no.					1231.30			
					Present Qty	1231.30	Sqm	31.15	38354.00
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.								
	Vide Premeasurement page no.					8425.92			
					Present Qty	8425.92	Sqm	13.35	112483.00
23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with								
	Vide Premeasurement page no.					421.30			
					Present Qty	421.30	Cum	6724.88	2833164.00

Girish P
Contractor

Transight Consultants Pvt. Ltd. Bangalore Consultant

Assistant Engineer

Asst. Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ, ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-106

me of Work: **Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division**

Detailed Measurements

surement Recorded On: 01.07.2022 to 04.07.2022

em lo	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
24	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of								
	2nd And Final Bill								
	Asphalt Road								
	Madeshwara Layout								
	Main Rd								
	Ch:0.00m to 30.00m	1	30.00	(5.50 + 5.00)/2	0.04	6.30			
	Ch:30.00m to 43.95m	1	13.95	(5.00 + 4.80)/2	0.04	2.73			
	Culvert Gap								
	Ch:43.95m to 73.95m	1	30.00	(5.10 + 5.30)/2	0.04	6.24			
	Ch:73.95m to 103.95m	1	30.00	(5.30 + 5.30)/2	0.04	6.36			
	Ch:103.95m to 133.95m	1	30.00	(5.30 + 5.40)/2	0.04	6.42			
	Ch:133.95m to 151.65m	1	17.70	(5.40 + 5.50)/2	0.04	3.86			
	Chikbettahalli								
	Main Rd								
	Ch:0.00m to 30.00m	1	30.00	(6.60 + 6.40)/2	0.04	7.80			
	Ch:30.00m to 60.00m	1	30.00	(6.40 + 6.60)/2	0.04	7.80			
	Ch:60.00m to 90.00m	1	30.00	(6.60 + 6.90)/2	0.04	8.10			
	Ch:90.00m to 120.00m	1	30.00	(6.90 + 6.20)/2	0.04	7.86			
	Ch:120.00m to 150.00m	1	30.00	(6.90 + 5.90)/2	0.04	7.68			
	Ch:150.00m to 180.00m	1	30.00	(5.90 + 5.90)/2	0.04	7.08			

Transheight Consultants Pvt. Ltd. Bangalore

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:180.00m to 190.10m	1	10.10	(5.90 + 5.90)/2	0.04	2.38			
Ch:180.00m to 198.30m	1	8.20	(6.80 + 6.80)/2	0.04	2.23			
Basavalingappanagara								
Main Rd Dead End								
Ch:0.00m to 7.60m	1	7.60	(6.65 + 8.70)/2	0.04	2.33			
Ch:7.60m to 21.60m	1	14.00	(8.60 + 9.00)/2	0.04	4.93			
Ch:21.60m to 36.20m	1	14.60	(8.00 + 8.90)/2	0.04	4.93			
Ch:36.20m to 45.20m	1	9.00	(9.60 + 9.80)/2	0.04	3.49			
Ch:45.20m to 53.50m	1	8.30	(8.80 + 8.60)/2	0.04	2.89			
Ch:53.50m to 63.00m	1	9.50	(9.80 + 10.30)/2	0.04	3.82			
Upto Turning								
Area Of Trapezium 1/2(A+B)*h A=7.8,	1	1/2(7.8+10.4)*9		0.04	3.28			
Ch:63.00m to 93.00m	1	30.00	(10.40 + 10.30)/2	0.04	12.42			
Ch:93.00m to 95.50m	1	2.50	(10.30 + 10.30)/2	0.04	1.03			
Ch:95.50m to 118.40m	1	22.90	(10.20 + 8.70)/2	0.04	8.66			
Upto Culvert								
Ch:118.40m to 129.30m	1	10.90	(11.00 + 12.00)/2	0.04	5.01			
Ch:129.30m to 159.00	1	30.00	(10.50 + 13.50)/2	0.04	14.40			
Ch:159.00m to 189.30m	1	30.00	(13.50 + 13.20)/2	0.04	16.02			
Ch:189.30m to 215.10m	1	25.80	(13.20 + 12.80)/2	0.04	13.42			
Rajeev Gandhi Nagara								
Cross Rd-6								
Area Of Trapezium 1/2(A+B)*h A=8.7,	1	1/2(8.7+7.1)*5		0.04	1.58			
Ch:0.00m to 16.40m	1	16.40	(7.10 + 7.30)/2	0.04	4.72			
Ch:16.40m to 31.40m	1	15.00	(7.30 + 7.00)/2	0.04	4.29			
Ch:31.40m to 44.50m	1	13.10	(7.00 + 6.40)/2	0.04	3.51			

Executive Engineer,
Yelahanka Division,
B.B.M.P. Bangalore - 64

Transheight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:44.50m to 74.50m	1	30.00	(7.10 + 6.40)/2	0.04	8.10			
Ch:74.50m to 89.50m	1	15.00	(6.40 + 6.00)/2	0.04	3.72			
Ch:89.50m to 104.50m	1	15.00	(6.00 + 4.80)/2	0.04	3.24			
Ch:104.50m to 120.10m	1	15.60	(4.80 + 4.20)/2	0.04	2.81			
Deduct	-1	2.60	(0.70 + 0.70)/2	0.04	-0.07			
Deduct	-1	3.80	(3.80 + 0.30)/2	0.04	-0.31			
Deduct	-1	5.80	(1.30 + 1.30)/2	0.04	-0.30			
Cross Rd-5								
Ch:0.00m to 30.00m	1	30.00	(6.10 + 6.70)/2	0.04	7.68			
Ch:30.00m to 60.00m	1	30.00	(6.70 + 6.70)/2	0.04	8.04			
Ch:60.00m to 79.80m	1	19.80	(6.70 + 6.60)/2	0.04	5.27			
Cross Rd-7								
Ch:0.00m to 15.00m	1	15.00	(5.40 + 6.40)/2	0.04	3.54			
Ch:15.00m to 30.00m	1	15.00	(6.40 + 6.20)/2	0.04	3.78			
Ch:30.00m to 45.00m	1	15.00	(6.20 + 6.65)/2	0.04	3.86			
Ch:45.00m to 60.00m	1	15.00	(6.65 + 6.60)/2	0.04	3.98			
Ch:60.00m to 71.70m	1	11.70	(6.60 + 6.80)/2	0.04	3.14			
Main Rd(From High Tension Wire)								
Ch:0.00m to 6.00m	1	6.00	(3.90 + 3.90)/2	0.04	0.94			
Ch:6.00m to 17.60m	1	11.60	(10.70 + 11.40)/2	0.04	5.13			
Ch:17.60m to 32.60m	1	15.00	(10.30 + 9.40)/2	0.04	5.91			
Ch:32.60m to 37.60m	1	5.00	(9.40 + 7.20)/2	0.04	1.66			
Ch:37.60m to 42.60m	1	5.00	(7.20 + 5.75)/2	0.04	1.30			
Ch:42.60m to 57.60m	1	15.00	(5.45 + 4.85)/2	0.04	3.09			

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore - 64

Transheight Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:57.60m to 72.60m	1	15.00	(4.85 + 6.40)/2	0.04	3.38			
Ch:72.60m to 87.60m	1	15.00	(6.40 + 6.10)/2	0.04	3.75			
Ch:87.60m to 96.10m	1	8.50	(6.10 + 6.10)/2	0.04	2.07			
Ch:96.10m to 103.60m	1	7.50	(3.80 + 3.40)/2	0.04	1.08			
Cross Rd-8								
Ch:0.00m to 15.00m	1	15.00	(4.60 + 4.85)/2	0.04	2.84			
Ch:15.00m to 30.00m	1	15.00	(4.85 + 3.90)/2	0.04	2.63			
Ch:30.00m to 35.80m	1	5.80	(3.90 + 3.90)/2	0.04	0.93			
Attur Layout								
3rd Cross Rd From Main Rd								
Ch:55.00m to 60.00m	1	5.00	(6.10 + 5.50)/2	0.04	1.16			
Ch:60.00m to 75.00m	1	15.00	(5.50 + 5.30)/2	0.04	3.24			
Ch:75.00m to 90.00m	1	15.00	(5.30 + 5.40)/2	0.04	3.21			
Ch:90.00m to 105.00m	1	15.00	(5.40 + 6.10)/2	0.04	3.45			
Ch:105.00m to 120.00m	1	15.00	(6.10 + 5.00)/2	0.04	3.33			
Ch:120.00m to 135.00m	1	15.00	(5.10 + 5.20)/2	0.04	3.09			
Ch:135.00m to 150.00m	1	15.00	(5.20 + 5.50)/2	0.04	3.21			
Ch:150.00m to 165.00m	1	15.00	(5.50 + 5.10)/2	0.04	3.18			
Ch:165.00m to 180.00m	1	15.00	(5.10 + 6.00)/2	0.04	3.33			
Ch:180.00m to 195.00m	1	15.00	(6.00 + 5.50)/2	0.04	3.45			
Ch:195.00m to 210.00m	1	15.00	(5.50 + 5.40)/2	0.04	3.27			
Ch:210.00m to 225.00m	1	15.00	(5.40 + 6.00)/2	0.04	3.42			
Ch:225.00m to 240.00m	1	15.00	(6.00 + 6.00)/2	0.04	3.60			
Ch:240.00m to 255.00m	1	15.00	(6.00 + 6.20)/2	0.04	3.66			

Executive Engineer,
Yelahanka Division,
BBMP, Bangalore - 64

Transheight Consultants Pvt. Ltd. Bangalore

Asst. Engineer

Asst. Exec. Engineer,

	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:255.00m to 270.00m	1	15.00	(6.20 + 6.40) / 2	0.04	3.78			
	Ch:270.00m to 285.00m	1	15.00	(6.40 + 6.40) / 2	0.04	3.84			
	Ch:285.00m to 287.10m	1	2.10	(6.40 + 6.50) / 2	0.04	0.54			
					Present Qty	**337.46**	**Cum**		
					Qty Paid in 1st And Part Bill	**0.00**	**Cum**		
					Total Qty	**337.46**	**Cum**		
					Deduct Qty Paid in 1st And Part Bill	**0.00**	**Cum**		
					Present Qty In 2nd Bill	**337.46**	**Cum**	**7910.77**	**2669543.00**

Asst. Engineer

Asst. Exec. Engineer,

ne of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

surement Recorded On: 22.07.2022

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and								
2nd And Final Bill								
Asphalt Road								
Madeshwara Layout								
Main Rd								
Ch:0.00m to 30.00m	2	30.00	0.10		6.00			
Ch:30.00m to 43.95m	2	13.95	0.10		2.79			
Culvert Gap								
Ch:43.95m to 73.95m	2	30.00	0.10		6.00			
Ch:73.95m to 103.95m	2	30.00	0.10		6.00			
Ch:103.95m to 133.95m	2	30.00	0.10		6.00			
Ch:133.95m to 151.65m	2	17.70	0.10		3.54			
Chikbettahalli								
Main Rd								
Ch:0.00m to 30.00m	2	30.00	0.10		6.00			
Ch:30.00m to 60.00m	2	30.00	0.10		6.00			
Ch:60.00m to 90.00m	2	30.00	0.10		6.00			
Ch:90.00m to 120.00m	2	30.00	0.10		6.00			
Ch:120.00m to 150.00m	2	30.00	0.10		6.00			
Ch:150.00m to 180.00m	2	30.00	0.10		6.00			
Ch:180.00m to 190.10m	2	10.10	0.10		2.02			
Ch:180.00m to 198.30m	2	8.20	0.10		1.64			
Basavalingappanagara								
Main Rd Dead End								
Ch:0.00m to 7.60m	2	7.60	0.10		1.52			
Ch:7.60m to 21.60m	2	14.00	0.10		2.80			
Ch:21.60m to 36.20m	2	14.60	0.10		2.92			
Ch:36.20m to 45.20m	2	9.00	0.10		1.80			
Ch:45.20m to 53.50m	2	8.30	0.10		1.66			
Ch:53.50m to 63.00m	2	9.50	0.10		1.90			
Upto Turning								
Ch:63.00m to 93.00m	2	30.00	0.10		6.00			
Ch:93.00m to 95.50m	2	2.50	0.10		0.50			
Ch:95.50m to 118.40m	2	22.90	0.10		4.58			
Upto Culvert								

ಸಾರ್ವಜನಿಕರ ಅಭಿಪ್ರಾಯದಂತೆ ಮಾರ್ಪಾಡು ಮಾಡಲಾಗಿದೆ.
ಮುಖ್ಯರಸ್ತೆಯಿಂದ ಸುಮಾರು 7.60 ಮೀ ಒಳಗಡೆ ಇರುವುದರಿಂದ
ಸಾರ್ವಜನಿಕರ ಅಭಿಪ್ರಾಯದಂತೆ ಮಾರ್ಪಾಡು ಮಾಡಲಾಗಿದೆ.

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Cross Rd-7								
Ch:0.00m to 15.00m	2	15.00	0.10		3.00			
Ch:15.00m to 30.00m	2	15.00	0.10		3.00			
Ch:30.00m to 45.00m	2	15.00	0.10		3.00			
Ch:45.00m to 60.00m	2	15.00	0.10		3.00			
Ch:60.00m to 71.70m	2	11.70	0.10		2.34			
Main Rd(From High Tension Wire)								
Ch:0.00m to 6.00m	2	6.00	0.10		1.20			
Ch:6.00m to 17.60m	2	11.60	0.10		2.32			
Ch:17.60m to 32.60m	2	15.00	0.10		3.00			
Ch:32.60m to 37.60m	2	5.00	0.10		1.00			
Ch:37.60m to 42.60m	2	5.00	0.10		1.00			
Ch:42.60m to 57.60m	2	15.00	0.10		3.00			
Ch:57.60m to 72.60m	2	15.00	0.10		3.00			
Ch:72.60m to 87.60m	2	15.00	0.10		3.00			
Ch:87.60m to 96.10m	2	8.50	0.10		1.70			
Ch:96.10m to 103.60m	2	7.50	0.10		1.50			
Cross Rd-8								
Ch:0.00m to 15.00m	2	15.00	0.10		3.00			
Ch:15.00m to 30.00m	2	15.00	0.10		3.00			
Ch:30.00m to 35.80m	2	5.80	0.10		1.16			
Attur Layout								
3rd Cross Rd From Main Rd								
Ch:55.00m to 60.00m	2	5.00	0.10		1.00			
Ch:60.00m to 75.00m	2	15.00	0.10		3.00			
Ch:75.00m to 90.00m	2	15.00	0.10		3.00			
Ch:90.00m to 105.00m	2	15.00	0.10		3.00			
Ch:105.00m to 120.00m	2	15.00	0.10		3.00			
Ch:120.00m to 135.00m	2	15.00	0.10		3.00			
Ch:135.00m to 150.00m	2	15.00	0.10		3.00			
Ch:150.00m to 165.00m	2	15.00	0.10		3.00			
Ch:165.00m to 180.00m	2	15.00	0.10		3.00			
Ch:180.00m to 195.00m	2	15.00	0.10		3.00			
Ch:195.00m to 210.00m	2	15.00	0.10		3.00			
Ch:210.00m to 225.00m	2	15.00	0.10		3.00			
Ch:225.00m to 240.00m	2	15.00	0.10		3.00			
Ch:240.00m to 255.00m	2	15.00	0.10		3.00			
Ch:255.00m to 270.00m	2	15.00	0.10		3.00			
Ch:270.00m to 285.00m	2	15.00	0.10		3.00			
Ch:285.00m to 287.10m	2	2.10	0.10		0.42			
				Present Qty	**262.30**	**Sqm**		
				Qty Paid in 1st And Part Bill	**0.00**	**Sqm**		
				Total Qty	**262.30**	**Sqm**		
				Deduct Qty Paid in 1st And Part Bill	**0.00**	**Sqm**		
				Present Qty In 2nd Bill	**262.30**	**Sqm**	**477.25**	**125183.00**

Sunsheight Consultants Pvt. Ltd. Bangalore

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Detailed Measurements

Measurement Recorded On: 27.07.2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
26	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks								
	2nd And Final Bill								
	Basavalingappanagara								
	Main Rd Dead End								
	Ch:0.00m to 7.60m	3	1.00			3.00			
	Ch:7.60m to 21.60m	3	3.00			9.00			
	Ch:21.60m to 36.20m	3	3.00			9.00			
	Ch:36.20m to 45.20m	3	2.00			6.00			
	Ch:45.20m to 53.50m	3	2.00			6.00			
	Ch:53.50m to 63.00m	3	2.00			6.00			
	Upto Turning								
	Ch:63.00m to 93.00m	3	6.00			18.00			
	Ch:93.00m to 95.50m	3	1.00			3.00			
	Ch:95.50m to 118.40m	3	3.00			9.00			
	Upto Culvert								
	Ch:118.40m to 129.30m	3	1.00			3.00			
	Ch:129.30m to 159.00	3	3.00			9.00			
	Ch:159.00m to 189.30m	3	4.00			12.00			
	Ch:189.30m to 215.10m	3	3.00			9.00			
					Present Qty	**102.00**	**Nos**		
					Qty Paid in 1st And Part Bill	**0.00**	**Nos**		
					Total Qty	**102.00**	**Nos**		
					Deduct Qty Paid in 1st And Part Bill	**0.00**	**Nos**		
					Present Qty In 2nd Bill	**102.00**	**Nos**	**374.90**	**38241.00**
							Total		**6808547.00**
							GST 12%		**817025.64**
							Grand Total		**7625572.64**

Girish
Director

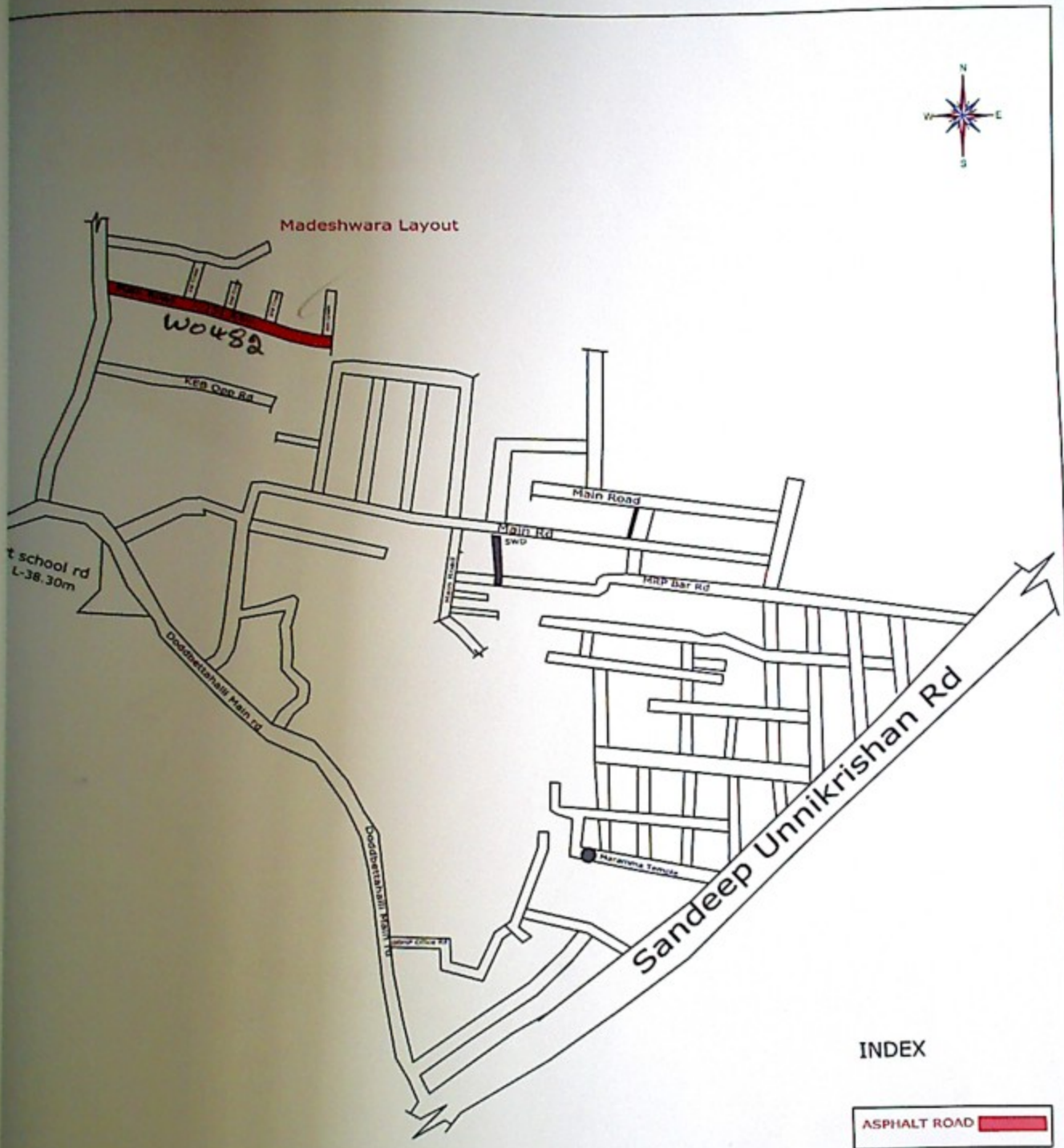
Height Consultants Pvt. Ltd. Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer,

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ.
ಬೆಂಗಳೂರು-೦೬

Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara
Kattigenahalli in ward no-03 of Yelahanka Town Sub Division



Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Town Sub Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

Chikkbetahalli

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ATTUR Layout

INDEX

ASPHALT ROAD

ments to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara
kkabettahalli in ward no-03 of Yelahanka Town Sub Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
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ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106